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ABSTRACT

THis annotated bibliography is designed to help students beginning educational research at Pattee Library of Pennsylvania State University Libraries. Grouped in sections A through H in the body of the guide by the type of information they contain, items listed include: bibliographies, guides to theses and dissertations; indexes and abstracts; encyclopedias, dictionaries, and handbooks; yearbooks; biographical sources; directories; and school law. A brief discussion of the items begins each section. How these tools fit into research is outlined in Appendix 1 which gives a sample search for research materials on educational vouchers. Appendix 2 discusses locating periodical articles and the procedure to follow to find these items in the library. Appendix 3 discusses the use of the card catalog. Appendix 4 deals with the Educational Resources Information Center (ERIC) and touches on computer searching using the ERIC data base. Appendix 5 lists sources helpful in locating materials for classroom instruction. (CH)

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A GUIDE TO RESEARCH IN EDUCATION

with

appended informational aids

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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REFERENCE DEPARTMENT

THE PENNSYLVANIA STATE UNIVERSITY LIBRARIES

1975

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INTRODUCTION

This bibliographic guide is designed to help you, to help students beginning research in education at Pattee Library of the Pennsylvania State University Libraries. The materials included were chosen for their significance, their currency, and their applicability to all areas of research in education.

Certain categories of materials are excluded, for the large part, because they do not enter directly into basic research; directories of educational institutions, programs, and personnel, for example, are not included.

Items are grouped in Sections A through H in the body of the guide by the type of information they contain. A brief discussion of the items begins each section. Some indication of how these tools fit into research is outlined in Appendix I which gives a sample search for research material in education.

Appendix II discusses locating periodical articles and the procedure to follow to find these items in the Libraries. Appendix III briefly discusses the use of the card catalog. Appendix IV deals with ERIC and touches on computer searching using the ERIC system. Appendix V lists sources helpful in locating material for classroom instruction.

An author-title index for Sections A through H is included.

If the need arises, we encourage you to ask questions concerning your research, this guide, or the use of the Libraries in general. We are here to help you.

Barbara J. Smith
Senior Assistant Librarian
Reference Department

January 2, 1975

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A. BIBLIOGRAPHIES

Section A contains bibliographies and bibliographic guides of general interest to those doing research in education, broadly defined. Bibliographies and bibliographic guides for specific areas in education can be found by consulting one of the guides listed here, number 22, for example, or by checking our holdings through the subject card catalog under relevant entries such as:

Computer-assisted instruction--Bibliography
Education, Higher--Bibliography
Handicapped children--Education--Bibliography
Reading--Bibliography

1.
Reference
Z711
.B93
1967

Burke, Arvid James and Mary A. Burke. Documentation in education. New York, Teachers College Press, 1967.

Although dated, a good source of information concerning the methods of doing research in education for both the beginning library user and the advanced graduate student. Three main sections include fundamentals of information and storage and retrieval, locating educational information or data, and bibliographic searching in education.

Documentation, as defined by the authors, includes both the location of specific information and the location of sources of data.

Well-written annotations and practice exercises provide help in acquiring fact-finding skills.

Separate indexes to sources and subjects.

2.
Z5814
.P8
B932
Latest
in Ref.

Buros, Oscar Krisen. Mental measurements yearbook. (MMY) 1st - , 1938- . Highland Park, N. J., Gryphon Press. Irregular.

Provides information on tests published in the English-speaking world by listing the tests and evaluating them; listing bibliographies of references on the construction, use, and validity of specific tests; excerpting critical portions of reviews found in journals; and listing new and revised books on testing along with reviews of the books themselves.

Indexes: periodical directory and index; publishers' directory and index; indexes of book titles, test titles, and names; classified test index.

The eighth Mental Measurements Yearbook is scheduled for 1975.

3.
Reference
Z5814
.P8
B933

Buros, Oscar Krisen. Personality tests and reviews, including an index to the Mental measurements yearbooks. Highland Park, N. J., Gryphon, 1970.

Updates the sixth Mental Measurements Yearbook for personality testing with test reviews, excerpted test reviews, and references on the construction, use, and validity of specific tests. Indexes MMY (editions 1-6) both for personality and non-personality tests, reviews, and references.

Book review, test, name, and title indexes.

Publishers' directory and index.

4.
Reference
Z5814
.R25
B87

Buros, Oscar Krisen. Reading tests and reviews, including a classified index to the Mental measurements yearbooks. Highland Park, N. J., Gryphon, 1968.

Cumulates all reading sections of the first six editions of the Mental Measurements Yearbook and presents a comprehensive bibliography of reading tests known to be in print as of May 1, 1968. Includes a classified index to all tests and reviews in the first six editions of Mental Measurements Yearbook.

Publishers' directory.

Title and name indexes.

5.
Reference
Z5814
.E9
B8

Buros, Oscar Krisen, ed. Tests in print, a comprehensive bibliography of tests for use in education, psychology, and industry. Highland Park, N. J., Gryphon Press, 1961.

Includes both in-print and out-of-print tests and can serve as an index to reviews of tests found in first five editions of Mental Measurements Yearbook.

The technical recommendations section provides "the most comprehensive and authoritative published standards for test manual writing and thus, indirectly, for test construction and use" (Introduction).

Publishers' directory and index, title and name indexes.

New edition scheduled.

6.
Reference
Z5819
.C73
Q

Columbia University. Teachers College. Library. Dictionary catalog of the Teachers College Library. Boston, G. K. Hall, 1970. 36v.

A single author, title, subject dictionary catalog of the Teachers College Library holdings "of over four hundred thousand books, current and back file periodicals, and a variety of audiovisual materials" for education in its broadest definition on a national and international level.

Supplements update the catalog to 1973.

7.
Reference
Z5814
.C7
D3

Delta Pi Epsilon. Bibliography of research studies in business education, 1920-1940, compiled by M. Herbert Freeman. New York, The Business Education World, 1943.

Unannotated index of studies registered with the U. S. Office of Education. Includes both master's and doctoral theses.

Most complete information given in author index. Also has subject and institution indexes.

Listings continued in Business Education Index (no. 44.)

8.
Reference
Z1223
.Z7
G68
Desk

Government reference books; a biennial guide to U. S. government publications, compiled by Sally Wynkoop. Littleton, Colo., Libraries Unlimited, 1970- .

8. continued--

Education is one of the broad fields covered in this annotated subject guide to reference works published by the U. S. government and its various agencies. This series is published biennially and, although first published in 1970, the first edition covers 1968-69.

Directory of agencies giving complete addresses. Superintendent of Documents number given for each item.

Author-title-subject index.

9.
Reference
Z5815
.U5
H47

Herbst, Jurgen. The history of American education. Northbrook, Illinois, AHM Publishing Corporation, 1973.

An issue of the Goldentree Bibliographies in American History listing items selected from works which include journals and published doctoral dissertations significant in the study of the history of American education.

Items grouped by subjects as listed in the table of contents. Author index only.

10.
Reference
Z5814
.P8
J64

Johnson, Orval G. Tests and measurements in child development: a handbook. San Francisco, Jossey-Bass, Inc., 1971.

This issue in the Jossey-Bass Behavioral Science Series includes reviews both of published and unpublished tests. Its concentration on child behavior and the inclusion of reviews of unpublished measures (not found in the Mental Measurements Yearbook, no. 2) makes this a valuable research tool.

The appendix includes a list of journals in which measures appear. Indexes: author, general, measure, and subject.

11.
Reference
Z5819
.M37

Marks, Barbara S. The New York University list of books in education. New York, Citation Press, 1968.

An annotated list of books, some pamphlets, yearbooks, and a few monographic series of major importance in education.

Subject arrangement. Author index.

12.
Reference
Z5811
.A1
M69

Monroe, Walter S. and Louis Shores. Bibliographies and summaries in education. New York, Wilson, 1936.

A partially annotated author and subject index covering the educational literature of the 1910-1935 period. The number of references included in each item is given. Listings are brought up-to-date by Education Index (no. 51).

13.
Reference
Z5811
.M75
1968

Monroe, Will S. Bibliography of education. Detroit, Gale Research Company, 1968.

A reprint of the 1897 edition with a new introduction by Francesco Cordasco.

13. continued--

A classified, partially annotated bibliography of approximately 3200 books, excluding textbooks. With the exception of some reference books in French or German, all items are written in English.

Includes a brief list of English and American periodicals.

Author and subject indexes.

14.
Reference
Z5815
.U5
P28

Park, Joe, ed. The rise of American education; an annotated bibliography. Evanston, Ill., Northwestern University Press, 1965.

An annotated bibliography of important books and periodical articles in the history of American education. Many related early American imprints, most of which are now available in microprint, are also included.

Includes an unannotated list of doctoral dissertations available on microfilm.

No indexes.

15.
Reference
Z5811
.U32

United Nations Educational, Scientific and Cultural Organization. International guide to educational documentation, 1955-1960. Paris, 1963.

Although documentation is defined as all materials where information can be found regarding education as well as the teaching aids used in the educational process, the emphasis in this partially annotated guide is on the informational materials.

Includes short sections on international sources and on the publications of international organizations.

Country by country arrangement.

Combined author, title, and organization index.

16.
Reference
Z5811
.U32
1971

United Nations Educational, Scientific and Cultural Organization. International guide to educational documentation, second edition: 1960-1965. Paris, 1971.

This second edition (see no. 15) has essentially the same content and format as the first edition. It is an annotated bibliography of bibliographies, directories, and publications relative to education issued in some ninety-five countries and territories and includes books, pamphlets, periodicals, and films.

Index of countries.

17.
Reference
Z5815
.U5
U5354

U. S. Office of Education. Bibliography of the United States Office of Education, 1867-1959. Totowa, New Jersey, Rowman and Littlefield, 1971.

This is a reprint of the U. S. Office of Education bulletins 1910, no. 3; 1937, no. 22; 1960, no. 3. For current publications from the Office of Education consult Publications of the Office of Education (no. 19) and the Monthly Catalog of U. S. Government Publications in the Documents Section and General Reference Section of the Reference Department.

18.
Inquire at Documents Desk

U. S. Office of Education. Cooperative research projects; a seven-year summary, July 1, 1956-June 30, 1963. Washington, U. S. Government Printing Office, 1964.

A compilation of projects approved for federal funding. Most of the project reports are available in the Libraries' collection.
Principal investigator, institution, and subject indexes.
These Cooperative Research Reports are a forerunner of ERIC reports (no. 63).

19.
Documents Desk

U. S. Office of Education. Publications of the Office of Education. Washington, U. S. Government Printing Office, 1867-1910, 1910-1936, 1937-1959, and annual lists to date.

Lists of currently available publications, arranged by broad subject areas.
Title index, and, in some of the most recent annual lists, subject indexes.

20.
Reference Z5811 .V65

Von Ende, Eunice. Education-literature of the profession. Washington, U. S. Government Printing Office, 1970. (U. S. Office of Education. National Center for Educational Communication. Bibliography.)

A listing of books and monographs, indexes, bibliographies, and statistical digests, education journals and related periodicals, and newsletters received by the National Center for Education Communication as of 1970. Books and monographs are grouped by subject area and are partially annotated.
Publishers' directory.

21.
Reference Z5814 .C52 W4

Weinberg, Meyer. The education of the minority child; a comprehensive bibliography of 10,000 selected entries. Chicago, Integrated Educational Associates, 1970.

Centered on the black child during the last seventy years but including other minorities, this classified listing includes transcripts of government hearings, journal articles, dissertations, government reports, books, pamphlets, and ephemeral materials from the colonial period in which education is defined within the framework of social, legal, economic, and political factors.
Subject groupings discussed in the Introduction.
Author index.

22.
Reference Z7161 .W49 1973
Desk

White, Carl M., and Associates. Sources of information in the social sciences, a guide to the literature. Second edition. Chicago, American Library Association, 1973.

Although this tool is concerned with all the social science disciplines, it is an excellent bibliographical source for researchers in education. In the chapter devoted to education various fields of education are briefly discussed followed by unannotated bibliographies.

22. continued--

The chapter concludes with a well-annotated list of reference tools and serial publications divided into sections such as current bibliographies, abstracts and summaries, and directories and biographical information.

Author, title, subject index.

23.
Reference
Z5814
.U7
W5

Willingham, Warren W. The source book for higher education, a critical guide to literature and information on access to higher education. New York, College Entrance Examination Board, 1973.

A series of subject-oriented, abstracted bibliographies on all aspects of higher education together with suggestions for beginning research and a listing of basic research tools.

Author and subject indexes.

B. GUIDES TO THESES AND DISSERTATIONS

Listings of doctoral dissertations and masters theses are grouped in the subject card catalog under the headings "Dissertations, Academic--U.S.--Bibliography" and "Dissertations, Academic--Bibliography" although special subject approaches can turn up such listings, too. For example, number 24, below, is entered under "Educational sociology--Bibliography" as well. The following guides will be particularly helpful in locating theses and dissertations in education.

24.
Reference
Z5055
.U49
C6

Cordasco, Francesco and Leonard Covello. Educational sociology; a subject index of doctoral dissertations completed at American universities, 1941-1963. New York, Scarecrow Press, 1965.

An unannotated listing of dissertations arranged under fourteen broad topics such as international education, religious education, home economics, teachers' problems.

Author index. No subject or institution indexes.

25.
Reference
Z5055
.U5
A53
Index Area

Dissertation abstracts international. v. 1- , 1938- .
Ann Arbor, Michigan, University Microfilms. Monthly.

Title varies: 1938-1951 Microfilm Abstracts; 1952-June 1969 Dissertation Abstracts.

Contains abstracts of doctoral dissertations submitted to University Microfilms by the colleges and universities which are cooperating institutions.

Information supplied includes title of dissertation, order number, author, degree, university, date, abstract, price (in older volumes only and now out-of-date), and length of dissertation.

Beginning with volume 27 (July, 1966), Dissertation Abstracts was divided into two separate volumes: A, Humanities and Social Sciences, and B, Sciences and Engineering. Beginning with volume 30 (July, 1969) keyword title and author indexes appear in every issue. The indexes are cumulated annually. See also no. 26, below.

Instructions concerning the use of this tool are given at the beginning of each issue. Order forms and price information available at Reference Desk.

26.
Reference
Index Area

Comprehensive dissertation index, 1861-1972. (C.D.I.) Ann Arbor, Michigan, University Microfilms, 1973.

A keyword and author index to "virtually all dissertations accepted for academic doctoral degrees granted by United States education institutions." Abstracts are provided for dissertations submitted by cooperating institutions (see no. 25). Copies of the abstracted dissertations are available from the publisher. Copies of dissertations granted at institutions not cooperating with University Microfilms must be obtained from the institutions themselves.

Volumes 20-24 list dissertations in education.

To be supplemented.

27.
Reference
Z5055
.U49
D6

Doctoral dissertations accepted by American universities. No. 1-22, 1933/34-1954/55. New York, Wilson.

An unannotated subject listing of doctoral dissertations accepted by American universities during the time period covered. Dissertations in education are listed under "Education" with no subheadings.

Author index. No subject index.

Has ceased publication. Continued by the Index to American Doctoral Dissertations (see no. 28).

28.
Reference
Z5055
.U49
D62

American doctoral dissertations. 1955/56- . Ann Arbor, Michigan, University Microfilms. Annual.

A continuation of Doctoral Dissertations Accepted by American Universities (no. 27).

Title varies: 1955/56-1962/63, Index to American Doctoral Dissertations.

Aims at being a complete, unannotated listing of all doctoral dissertations accepted by American and (since 1960/61) Canadian universities, regardless of whether or not the university cooperates with the microfilming project of University Microfilms. Thus, includes dissertations not listed in Dissertation Abstracts International (no. 25).

Listing is alphabetical by university under broad subject areas.

Author index.

29.
Reference
Z5811
.D68

Doctoral research at the school of education, New York University, 1890-1970, by Jesse J. Dossick. New York, New York University Press, 1972.

A classified list of dissertations. Introduction contains some critical and statistical analysis of the dissertations in the broad subject groupings listed.

Author index.

30.
Reference
Z5811
.E43

Eells, Walter Crosby. American dissertations of foreign education. Washington, National Education Association, Committee on International Relations, 1959.

30. continued--

A partially annotated list of doctoral dissertations and master's theses concerning education and educators in foreign countries as well as education groups of foreign birth or ancestry in the United States, 1884-1958. Valuable for its country by country approach even though out-of-date. Helpful guides to obtaining dissertations and theses.

Author-subject index.

31.
Reference
Z5814
.R25
F35

Fay, Leo C., Weldon G. Bradtmueller, and Edward G. Summers. Doctoral studies in reading, 1919 through 1960. Bloomington, Bureau of Educational Studies and Testing, School of Education, Indiana University, 1964.

An unannotated list of theses arranged by broad subject headings; each thesis listed under only one heading. Arrangement within subject headings is haphazard; it is neither by name of author, title, institution, nor date.

Dissertation Abstracts number is not given.

Detailed table of contents. Author index.

32.
Microform
Collection
Z6121
.H43

Health, physical education and recreation microcard bulletin. v. 1- , 1949- . Eugene, Oregon, University of Oregon. Irregular.

An unannotated bibliography listing unpublished research materials, particularly doctoral dissertations and master's theses, and scholarly books now out-of-print.

Items are listed under very broad subjects. Detailed subject index in the main volume, but no indexes in the supplements.

Most of the entries are in our Microform Collection.

33.
Reference
Z5816
.I6
M3

Master's theses in education. v. 1- , 1953- . Cedar Falls, Iowa, University of Northern Iowa. Annual.

Attempts to list theses accepted by any college or university in the United States or Canada which grants the master's degree in education. All theses should be available through interlibrary loan.

Unannotated entries. Classified arrangement. Institution, author, and subject indexes.

34.
Reference
Z5811
.P28

Parker, Franklin. American dissertations on foreign education; a bibliography with abstracts. Troy, New York, Whitson Publishing Company, 1971- .

The department has the first four volumes (India, Japan, Africa, Canada) in a projected series of partially annotated bibliographies dealing with American dissertations on foreign education. The listing is drawn primarily from Dissertation Abstracts International (no. 25) and Research Studies ... (no. 35) and includes abstracts of selected dissertations.

Dissertations are arranged by author. An appendix discusses the country's educational system, structure, and organizations.

Subject index.

35.
Reference
Z5811
.R4

Research studies in education; a subject and author index of doctoral dissertations, reports and field studies, and research methods bibliography. 1953-1970. Homewood, Ill., Phi Delta Kappa. Annual.

Cumulated 1941-1952, 1953-1963, then annual lists until its cessation in 1970.
Subject arrangement. Author index.

36.
Reference
Z5814
.E6
U62

U. S. Office of Education. Library. Bibliography of research studies in education, 1926/27-1939-40. Washington, U. S. Government Printing Office, 1929-1941.

A classified listing of doctoral dissertations, master's thesis, special reports and studies.
Institution, author, and subject indexes.

37.
Reference
Z7511
.V35

Van der Smissen, Margaret Elisabeth and Donald V. Joyce. Bibliography of theses and dissertations in recreation, parks, camping, and outdoor education. Washington, National Recreation and Park Association, 1970.

Partially annotated list of doctoral dissertations and master's theses arranged alphabetically by author.
Updates and integrates 1962 Bibliography Related to Recreation, 1965 Research in Recreation, Part I, 1962 Bibliography Relating to Camping and Outdoor Education and its 1965 supplement.
Institution and subject indexes.

C. INDEXES AND ABSTRACTS

This section contains the significant tools to locate current information in education. Because some indexes, no. 51, for example, run from a much earlier time, they can also be used for an historical approach to an issue or topic. Indexes and abstracts (summarize each item listed) are used primarily to locate current journal articles and research reports. Numbers 48, 51, 56, and 63 are particularly important.

38.
Microform
Collection
Z5814
.T4
A23

Abstracts of instructional materials in vocational and technical education. (AIM) 1967- . Columbus, Ohio, ERIC Clearinghouse, Center for Vocational and Technical Education. Quarterly.

Gives resumes of ERIC documents relevant to instruction in vocational and technical education in a format similar to RIE (no. 63). Lists projects in process and summarizes their scope as well.
Subject index. Index converting VT (vocational technical) numbers to ED (educational reports) or MP (manpower numbers) numbers when available and not already furnished with the resume. The Microforms Collection contains the ED and MP series and VT sets.
In 1972 a combined AIM-ARM (no. 39) annual index was begun.

39.
Microform Collection Z5814 .T4 A22

Abstracts of research and related materials in vocational and technical education. (ARM) 1967- . Columbus, Ohio, ERIC Clearinghouse, Center for Vocational and Technical Education. Quarterly.

Gives resumes of ERIC documents concerning research in vocational and technical education in a format similar to RIE (no. 63). Lists projects in process and summarizes their scope.

Personal and institutional author index. Subject index. Index converting VT (vocational technical) numbers to ED (educational reports) or MP (manpower numbers) numbers when available and not already furnished with the resume. The Microforms Collection contains the ED and MP series and VT sets.

In 1972 a combined AIM (no. 38)--ARM annual index was begun.

40.
Reference Z1002 .B594

Bibliographic index; a cumulative bibliography of bibliographies. v. 1- , 1937- . New York, Wilson. Three times a year; third issue is hard-bound annual cumulation.

A subject index to separately published bibliographies and those contained in books, pamphlets, and periodical articles. Covers a wide range of subjects including education. Length of bibliography is usually indicated.

Not limited to works in English.

41.
Reference Z1219 .C96 Index Area

Book review digest. (BRD) v. 1- , 1905- . New York, Wilson. Ten times a year. Annual cumulation.

Lists reviews of books in many fields including education. Excerpts from some of the reviews are included. Both general and scholarly journals are indexed.

Arrangement is alphabetical by author. Subject and title index. Cumulative indexes approximately every ten years.

42.
Reference Z1035 .A1 B6 Index Area

Book review index. v. 1- , January, 1965- . Detroit, Gale. Bimonthly.

Begun 1965, suspended the end of 1968, begun again in 1972--the publisher is now filling in the gap; the 1971 cumulation is complete, 1969 and 1970 are in process.

It includes more titles than does BRD (no. 41). In fact, all reviews appearing in the journals indexed are included.

Cumulated quarterly and annually. Arranged alphabetically by author. No subject or title approach.

43.
Reference Z5813 .B7 Index Area

British education index. 1954- . London, The Library Association. Three times a year; cumulated every two years.

Indexes about fifty British periodicals, some selectively, by subject and author. Items under both approaches contain complete bibliographic information.

44.
Reference
Z5814
.C7
B85
Index Area

Business education index. 1940- . New York, Delta Pi Epsilon. Annual.

An unannotated subject and author index to periodical and yearbook articles, books, and theses in business education.

45.
Reference
HQ750
.A1
C47
Index Area

Child development abstracts and bibliography. 1927- . Washington, National Research Council. Three times a year.

Abstracts of articles from about 125 American and foreign periodicals. One of the broad subject fields is "education and educational psychology."

Author and subject indexes cumulated annually.

46.
Reference
Z5814
.S88
C6
Index Area

College student personnel abstracts. v. 1- , October 1965- . Claremont, California, College Student Personnel Institute. Quarterly.

A compilation of abstracts from journals, conference proceedings, and research reports pertaining to college students and services for them.

Broad subject arrangement.

Author and subject indexes. Indexes cumulated annually in summer issue.

47.
Microform
Collection
Z5811
.C63
1969

Complete guide and index to ERIC reports thru December 1969, compiled by the Prentice-Hall editorial staff. Englewood Cliffs, N. J., Prentice-Hall, 1970.

Separate subject, author, and clearinghouse indexes and a numerical title list of all ERIC documents issued through December 1969.

A useful feature of the subject index is the distinction between those documents dealing primarily with the topic (printed in bold faced type) and those concerned peripherally with it.

48.
Reference
Z5815
.C8
Index Area

Current index to journals in education. (CIJE) v. 1- , 1969- . New York, CCM Information Sciences, Inc. Monthly.

CIJE now indexes 700 periodicals in education. It indexed 200 periodicals initially; began annotating the articles indexed in 1970; added a journal content index in 1971; and in 1974 began arranging its main entry section in groupings by clearinghouse--there are sixteen which specialize in such as higher education or exceptional children--while moving this section to the front of each issue.

CIJE is a companion to Research in Education (no. 63) both ERIC (Educational Resources Information Center) services which use the subject headings listed in the Thesaurus of ERIC Descriptors (no. 83).

The main entry section contains complete bibliographic information. You are led to the main entry section by either the subject index, the author index, or the journal contents index. New Thesaurus terms appear at the back of each issue. Annual cumulations--slow in coming.

49.
Reference
Z5814
.M26
E3
Index Area

Educational administration abstracts. v. 1- , Spring 1966- . Columbus, Ohio. Three times a year.

A subject arranged abstracting source for journal articles sponsored by the University Council for Educational Administration. Author index per issue.

50.
Reference
L11
.E2114
Index Area

Education abstracts. v. 1-9, 1936-1944. New York, Abstracts Associates. Monthly.

Subject arrangement. Annual author index.

51.
Reference
Z5813
.E23
Index Area

Education index. v. 1- , 1929- . New York, Wilson. Monthly except July and August. Quarterly and annual cumulations.

Subject index to periodicals articles, on all phases of education, found in educational journals. Only English language periodicals, primarily American, but also British and Canadian, are indexed.

Educational proceedings, yearbooks, some governmental publications, and book reviews (intermittently to June, 1969, regularly since then) are also included.

52.
Reference
Z5814
.C52
E9
Index Area

Exceptional child education abstracts. v. 1 no 1- , Apr. 1969- . Washington, Council for Exceptional Children. Quarterly.

The Council for Exceptional Children under funding from the U. S. Office of Education established the CEC Information Center which serves as an ERIC clearinghouse (see Appendix IV) for information in the area of special education. The Center acquires, abstracts, and indexes documents for RIE (no. 63), CIJE (no. 48), and this service--significant literature from 1962 included.

Journal articles, texts, conference proceedings, monographs, and research reports are abstracted under subject control of an expanded list from the Thesaurus of ERIC Descriptors (no. 83).

Topic classification, document classification, subject, and author indexes through 1970/71; now author, title, subject indexes only. Indexes cumulated per issue each year.

53.
Reference
Z6121
.I54
Index Area

Index and abstracts of foreign physical education literature. v. 1- , 1955- . Indianapolis, Phi Epsilon Kappa. Annual.

"Foreign" means anywhere outside the United States.

All abstracts are in English regardless of the language of the article.

Includes a list of journals, most of which are described by annotations, and a list of complete translations available.

54.
Microform Collection
LB1028
.A1
P3

Pacesetters in innovation. 1966-1969. Washington, U. S. Office of Education. Annual.

Index to and resumes of PACE projects (Projects to Advance Creativity in Education) funded by the U. S. Office of Education. Indexed according to the ERIC system using ES numbers which are available in the Microforms Collection.

55.
Reference
Z7203
.P972
Index Area

Psychological index; abstract references of volumes 1-25, 1894-1918; v. 26-35, 1919-1928. Columbus, Ohio, American Psychological Association, Inc., 1940-41.

Lists original publications--both books and periodical articles--in all languages together with translations and new editions in English, French, German, and Italian.

Classified subject approach. Author index.

Continued by Psychological Abstracts (no. 58).

56.
Reference
BF1
.P65
Index Area

Psychological abstracts; nonevaluative summaries of the world's literature in psychology and related disciplines. v. 1- , 1927- . Lancaster, Pa., American Psychological Association. Monthly.

Broad subject arrangement.

Signed abstract for each article included. Books and dissertations are listed, without abstracts, although citation numbers in Dissertation Abstracts International (no. 25) are given for dissertations.

Annual author and subject index.

57.
Reference
Z7203
.P975
Q
Index Area

Columbia University. Psychology Library. Author index to Psychological Index 1894-1935, and Psychological Abstracts, 1927-1958. Boston, G. K. Hall, 1960.

_____ _____. Supplement, 1959-1963. Boston, G. K. Hall, 1965

_____ _____. Supplement, 1964-1968. Boston, G. K. Hall, 1970.

_____ _____. Supplement, 1969-1971. Washington, American Psychological Association, 1972.

Cross references for joint authors begun with the 1969-1971 supplement.

58.
Reference
BF1
.P652
Q
Index Area

Psychological abstracts. Cumulated subject index to Psychological abstracts, 1927-1960. Boston, G. K. Hall, 1966.

_____. First supplement. 1961-1965. Boston, G. K. Hall, 1968.

58. continued--

_____. Second supplement. 1966-1968. Boston, G. K. Hall, 1971.

_____. Supplement. 1969-1971. Washington, American Psychological Association, 1972.

A cumulation of subject indexes with some revision and consolidation of headings.

Most of entries about various topics in education are listed under "education" or "educational" and the appropriate subheading.

59.
Reference
LC73
.S7
Index Area

Sociology of education abstracts. v. 1- , 1965- . Liverpool, England, University of Liverpool School of Education and Edge Hill College of Education. Irregular. Not Cumulative.

Abstracts articles chosen from journals of various countries on the "basis of their relevance to the present stage of research and theorizing in education;" emphasis on British and American periodicals.

Annual author index and cumulated subject index.

60.
Reference
Z5813
.S68
Index Area

State education journal index: an annotated index of state education journals. v. 1 no. 1-2- , Sept./Dec. 1963 . Fort Collins, Colorado. Semi-annual.

Subject index to articles appearing in the journals published by the various state education associations, state teachers associations, and state boards of education.

Very brief annotations where necessary to explain titles. No author or cumulated subject approach.

61.
Reference
AS4
.U8
A157

United Nations Educational, Scientific and Cultural Organization. Education abstracts. v. 4-16, 1952-64. Paris.

A tool for historic research. Not all items have abstracts.

Starting with v. 6, each issue treats a particular subject. Some of the items concerning the subject antedate the beginning of the publication.

Arranged by country.

62.
Microform
Collection
Z5811
.A45
C2

U. S. Educational Resources Information Center. Catalog of selected documents on the disadvantaged. Washington, U. S. Government Printing Office, 1966. 2 v.

An index of 1740 documents, mainly from the pioneer programs in 23 communities and from research done by a few additional institutions.

Volume 1 is a document number and author index. Volume 2 is a subject index.

63.
Microform
Collection
LB1028
.A1
R4

U. S. Educational Resources Information Center (ERIC). Research in education (RIE) 1966- . Washington, U. S. Office of Education. Monthly.

63. continued--

Indexes (subject, author, institution) and provides resumes of reports received from research projects funded by the U. S. Office of Education and reports collected by the ERIC clearinghouses.

Semiannual and annual cumulated indexes give ED numbers but not resumes.

The Microforms Collection includes the ED report series.

New title expected in 1975 to read Resources in Education.

64.
Reference
Z5811
.E74
Index Area

U. S. Educational Resources Information Center. ERIC educational documents index. 1966-69- . New York, CCM Information Corporation. Annual.

This work provides, in convenient gatherings, subject and author approach to all ERIC documents and report literature including not only RIE (no. 63) but in the first issue also the Office of Education Historical Reports 1956-1965 and the Catalog of Selected Documents on the Disadvantaged. Continuing cumulations from RIE are expected. Again, the Thesaurus (no. 83) is the subject authority list.

65.
Reference
Z5811
.E42
Index Area

U. S. Educational Resources Information Center. ERIC educational documents abstracts. 1966-69- . New York, CCM Information Corporation. Annual.

This series cumulates the report resumes (abstracts) which appear in RIE (no. 63). It is designed to be used with number 64, above.

D. ENCYCLOPEDIAS, DICTIONARIES, AND HANDBOOKS

These tools are indispensable aids in beginning research in education. They furnish overviews of areas large and small, provide orientation when investigating a new area, and clarify issues and terms in educational practice, theory, and research. Items numbers 68, 72, 73, and 80 can be extremely useful to a researcher.

66.
LC251
.H3
Latest
in Reference

Adult Education Association. Handbook of adult education. 1934- . New York, Macmillan.

Textbook format. Contains valuable bibliographies and some statistics. Chapters are written by identified authorities.

Appendix II contains information on sources in adult education.

Author, title, subject index.

67.
Reference
LA205
.C58

Council of Chief State School Officers. Education in the states; a project of the Council of Chief State School Officers, edited by Jim B. Pearson and Edgar Fuller. Washington, National Education Association, 1969. 2 v.

v. 1 Historical development and outlook. Essays on the educational development in each state and U. S. terriroty.

67. continued--

v. 2 Nationwide development since 1900. Sixteen essays on topics of nationwide educational concern.

Each essay is signed and accompanied by a table of contents and index.

68.
Reference
LB17
.D45

Encyclopedia of education. New York, Macmillan and the Free Press, 1971. 10 v.

The first multi-volume general encyclopedia in education to be published since 1913. Education is broadly defined as an institution, a process, and a product in one thousand signed articles with bibliographies emphasizing American education.

Few biographies.

Detailed general index, volume 10. Updated by Education Yearbook, see no. 69.

69.
Reference
LB17
.D46

Education yearbook. 1972- . New York, Macmillan and the Free Press. Annual.

An updating service for the Encyclopedia of Education (no. 68). Reflects current scene from local, state, national, and international perspectives. Sections include Issues in Education, The Year in Education, Statistical Review, Bibliography of Educational Materials, and Reference Guide.

Index.

70.
Reference
LB15
.E48
1969

Encyclopedia of educational research. Robert L. Ebel, editor. 4th ed. Toronto, Canada, Macmillan, 1969.

Educational research is broadly defined in this encyclopedia to include "articles presenting analyses of educational problems, critiques of educational practices, and reports of practical experiences, along with more elegantly designed and analyzed experimental studies" (Preface).

Experts discuss their broad areas of speciality in lengthy, signed articles, complete with bibliographies.

Updated by the Review of Educational Research (L11 .R35), a periodical located in the general library collection.

71.
Reference
H41
.E6

Encyclopedia of the social sciences. Editor-in-chief, Edwin R. A. Seligman. New York, Macmillan, 1930-35. 15v.

A standard, authoritative encyclopedia which is still valuable despite its age. Especially strong in biographies, and a good source of information concerning the ideas held about a particular topic in the early 1930's. Now complemented by the International Encyclopedia of the Social Sciences (no. 76).

72.
Reference
LB1028
.G3
Desk

Gage, N. L., ed. Handbook of research on teaching. Chicago, Rand McNally, 1963.

Summarizes and critically analyzes research in the field of teaching. Contains articles on methods, variables, areas, grade levels, and subject fields. Extensive bibliographies. Updated by no. 80.

73.
Reference
LB15
.G6
1973

Good, Carter V., ed. Dictionary of education. 3d ed. New York, McGraw-Hill, 1973.

This standard dictionary has doubled the number of entries since its 1959 edition to 33,000 giving definitions for English language terms in education. Cross-references are furnished.

74.
Reference
H41
.G6

Gould, Julius and William L. Kolb, ed. A dictionary of the social sciences. New York, Free Press of Glencoe, 1964.

Long, signed definitions.

One of the purposes of this dictionary is to provide definitions for terms used in related fields. Since relatively few educational terms are included, this dictionary is useful primarily to education students wanting to obtain definitions of terms as used in fields such as sociology and political science.

75.
Reference
LB15
.H66

Hopke, William E., ed. Dictionary of personnel and guidance terms, including professional agencies and associations. Chicago, J. G. Ferguson, 1969.

Each entry gives source and date.
Bibliography
Appendix lists terms in subject area groupings.

76.
Reference
H40
.A2
I5

International encyclopedia of the social sciences. David L. Sills, editor. New York, Macmillan, 1968. 17v.

"Designed to complement, not to supplant, its predecessor, the Encyclopedia of the social sciences (no. 71)" (Introduction).

Emphasizes the concepts, theories, principles, and methods of the ten major disciplines included in the encyclopedia.

Contains long, signed articles followed by bibliographies.

Although education is not one of the major disciplines covered, many entries for it appear in the index.

Relatively few biographies are included.

77.
Reference
LB15
.M6
1968

Monroe, Paul, ed. Cyclopedia of education. Detroit, Gale Research Company, 1968. 5v.

A reprint of the 1911-1913 edition.

Still useful despite its age, particularly for historical and biographical information. Includes biographical information concerning

77. continued--
educators and the education of famous people from all ages and places.
General in scope, including education in all countries and all periods with fuller treatment for American subjects.

78.
Microform Collection Z5814 .C52 P7

Prentice-Hall, Inc. Educator's complete ERIC handbook, compiled by the Prentice-Hall editorial staff. Englewood Cliffs, N. J., 1967.

Part 1: Abstracts of more than 1700 research reports concerning the education of the culturally deprived or otherwise disadvantaged children studied in 23 pioneering communities.

Part 2: Describes projects of general interest in such fields as civil rights, the mentally retarded, etc., which did not occur in the pioneering communities.

Subject and numerical document indexes.

79.
A481 .E4 S7
Latest at Reference Desk

Standard education almanac. v. 1- , 1967- . Los Angeles, Academic Media, Inc. Annual.

Provides a combination of statistical and directory-type information. Directory information on school systems, colleges, educational personnel, education organizations, etc.

80.
Reference LB1028 .T72 1973 Desk

Travers, Robert M. W., ed. Second handbook of research on teaching; a project of the American Educational Research Association. Chicago, Rand McNally, 1973.

Updates and complements Gage's Handbook of research on teaching (no. 72). Attempts to define the scope of research on teaching in broad areas and emphasizes the "how" of this research. Articles written by experts include extensive bibliographies.
Name and subject indexes.

81.
Reference LB2369 .T83 1969 Desk

Turabian, Kate L. Student's guide for writing college papers. 2d ed., rev. Chicago, University of Chicago Press, 1969.

A very helpful guide to the student having his first experience preparing a research paper. Advice is given on how to choose a topic through the writing of the final draft. Subject index.

82.
Reference LB2846 .U55

United Nations Educational, Scientific and Cultural Organization. World survey of education. Paris, 1955-66. 5v.

v. 1 Handbook of educational organizations and statistics. 1955.
v. 2 Primary education. 1958.
v. 3 Secondary education. 1961.
v. 4 Higher education. 1966.
v. 5 Educational policy, legislation, and administration. 1971.

82. continued--

Contains surveys, statistics, and bibliographies for various countries, including some not in UNESCO.

83.
Microform Collection
Z695
.1
.E3
U5
no. 4

U. S. Educational Resources Information Center. Thesaurus of ERIC descriptors. New York, CCM Information Corp., 1972.

An authority list of terms used in indexing material available through the ERIC system. This list must be consulted to search a subject area effectively.

Relationships of words are shown through the use of the following types of entries: (1) use, (2) used for (UF), (3) narrower term (NT) (4) broader term (BT), and (5) related term (RT).

ERIC indexes that use these descriptors include Research in Education (no. 63) and Current Index to Journals in Education (no. 48). In the back of each issue of these two publications an update for the Thesaurus is given.

E. YEARBOOKS

As the term implies, the reference works in this section are issued and updated annually providing current information on their particular aspect of education.

84.
L11
.D48
Latest at Reference Desk

Digest of educational statistics. 1962- . Washington, U. S. Office of Education. Annual.

A source of statistical information covering the entire field of American education from kindergarten through graduate school.

85.
LB1043
.E5
1973
Latest in Reference

Educational media yearbook. New York, Bowker, 1973- . Annual.

Brings together the historical, statistical, and factual data concerning media, communication, and technology. Gives a comprehensive view of the literature of the year and provides directories of multimedia resources.

Name index.

86.
L101
.A2
A63
Latest in Reference

International yearbook of education. 1933-1969. Geneva, UNESCO. Annual.

This informative source formerly entitled Annuaire international de l'education et de l'enseignment has unfortunately ceased publication as of 1969.

The main section consisted of reports from 75 countries concerning developments made during the preceding year in all areas of education in each country. The second section contained educational statistics by topic. Statistics were given for each of the 75 countries under the topics covered.

87.
L194
.B35
Latest
2 years in
Reference

Pennsylvania. Department of Public Instruction.
Statistical report. 1921- . Harrisburg, Pa. Annual.

Statistics are provided for all levels of education whether public or private. Tables given cover 68 different aspects of educational statistical information.

Statistical reports are one to two years behind time. It is necessary to use the last several reports for complete information since some of the statistics are not compiled every year.

Subject index.

88.
LB2310
.Y6
Latest in
Reference

Yearbook of higher education. v. 1- , 1969- .
Los Angeles, Academic Media. Annual.

Aims at being "a comprehensive, up-to-date guide to the world of higher education" (Introduction).

The three sections include a directory of institutions of higher education, statistical information (past, present, and future), and resource information in tabular form including suggestions of where to write for additional information.

Table of contents and index for each section.

F. BIOGRAPHICAL SOURCES

This section is by no means a complete listing of places where biographical information about educators and educational scholars and researchers can be located. In fact they represent only four of the most obvious sources available. A subject heading search of the card catalog under "Biography--Dictionaries," "U. S.--Biography--Dictionaries," "Educators, American--Directories," and "Teachers--U. S.--Biography" will turn up biographical information sources.

89.
Reference
Z5301
.B5
Index Area

Biography index. v. 1- , 1946- . New York, Wilson,
Quarterly. Annual cumulations.

An index to books, sections of books, and periodical articles about people regardless of the time or place in which they lived or their claim to fame.

At the end of each issue is a listing of individuals by professions and occupations.

90.
Reference
CT100
.C8

Current biography. v. 1- , 1940- . New York, Wilson,
Monthly (except August). Annual cumulations.

Long, objective articles on living people "who are prominent in the news" (Introduction).

Annual cumulation includes a listing of people by profession and an index cumulated from the beginning of the decard. An index for the years 1940 through 1970 cumulates and supersedes the decennial indexes for that period.

Many educators are included.

91.
Reference H41 .E6 — Encyclopedia of the social sciences. Editor-in-chief, Edward R. A. Seligman. New York, Macmillan, 1930-35. 15v.

For annotation, see no. 71.

92.
Reference LB15 .M6 1968 — Monroe, Paul, ed. Cyclopedia of education. Detroit, Gale Research Company, 1968. 5 v.

A reprint of the 1911-1913 edition.
For annotation, see no. 77.

G. DIRECTORIES

General directories such as Who's Who in American Education, National Register of Educational Researchers, and Early Childhood Education Directory can be located by consulting the appropriate subject headings in the card catalog.

93.
Reference Z5813 .C28 — Camp, William L. Guide to periodicals in education. Metuchen, N. J., Scarecrow, 1968.

Provides information on nearly 450 "nationally distributed educational periodicals issued in the United States," which began publication prior to July 1966. "Educational" is interpreted broadly since many scholarly journals in other fields are included.

"Each entry contains subscription information, editorial address, a statement of editorial policy, information on manuscript preparation and disposition and copyright" (Introduction). Of limited value because of age.

Broad subject approach. Title and subject indexes.

94.
Z5813 .E24 Latest in Reference — Educational Press Association of America. America's educational press: a classified list of educational periodicals issued in the U. S. and Canada. 1926- . Washington.

Includes journals only.

Sections include national and regional publications issued in the U. S. in broad subject arrangement, local professional education associations' publications arranged by states, and Canadian publications.

Directory-type information given. No annotations.

Title and editor indexes.

95.
Z5813 .G8 Latest in Reference — Guide to American educational directories; a guide to the major educational directories of the United States. Edited by Bernard Klein. 3d ed. New York, B. Klein and Company, 1969.

Title of work is misleading since the listings show no clear definition of either "educational" or "directories." General tools of use in many fields are included, some of which are not directories.

Title index.

96.
Reference
Z6941
.I77
Desk

Irregular serials & annuals: an international directory. 1st- ed.; 1967- . New York, Bowker.

This biennially published companion to Ulrich's International Periodical Directory (no. 98) concentrates on the area between books and periodicals which includes proceedings, transactions, reports, handbooks, and other irregular publications. In the 1974-1975 issue the Index to Publications of International Organizations was added.

Subject arrangement.
Title-subject index.

97.
L194
.B52
Latest in
Reference
Desk

Pennsylvania. Department of Public Instruction. Education directory. 1925- . Harrisburg. Annual.

Directory information about education officials at the state, district, county, and local levels and the public and private institutions at all levels of education.

For education directories of other states, consult the card catalog underthe subject heading, "Education-name of state-Directories."

98.
Z6941
.U5
Latest at
Reference
Desk

Ulrich's international periodicals directory; a classified guide to a selected list of current periodicals, United States and foreign. 1932- . New York, Bowker.

A particularly valuable feature of this directory is the inclusion of sources in which a periodical is indexed. Subscription information is given.

This together with Irregular Serials (no. 96) comprises the Bowker Serials Bibliography published biennially.

Title and subject index.

99.
L901
.A3
Latest at
Reference
Desk

U. S. Office of Education. Education directory. 1921- . Washington, U. S. Government Printing Office. Annual.

Published in four parts. Each part deals separately with directory-type information on state governments, public school systems, higher education (institutions which offer at least a two-year program of college level or occupational studies beyond twelfth grade), and education associations where "education" is broadly defined to include academic, library, and museum associations.

H. SCHOOL LAW

All items in this section are either annually or continuously up-dated to give you the law as applied to education as it now exists.

100.
Documents
Collection
KF4225
.A6
C6

Commerce Clearing House. College and university reporter. 1964- . Chicago, Commerce Clearing House. 2v. Loose-leaf.

100. continued--

A source of current information on all aspects of higher education especially those programs sponsored by the federal government.

Includes a federal agency directory.

Detailed topical index and indexes to new developments.

101.
Documents Collection
KFP390
.A6
F7

Francis, Samuel N. Pennsylvania school law, the complete guide to law and fiscal procedure for Pennsylvania educators and their legal counsel. Cleveland, Banks-Baldwin, 1970. 3v. Loose-leaf.

A continuously up-dated service providing the body of rules, regulations, opinions, decisions, statutes, and constitutional provisions that relate to education in Pennsylvania.

Subject index, one per volume for entire set.

102.
Documents Collection
KF3580
.G6
G6

Government employee relations report. no. 1- , Sept. 1963- . Washington, Bureau of National Affairs. Loose-leaf.

Government Employee Relations Report (GERR) covers municipal, county, state, and federal developments. Weekly reports are issued.

Section 51, State and Local Programs, in particular, is quite helpful tor a current overview of law for teachers from state to state. Various "reports" issued by interested parties are included, the American Federation of Teachers' Model Collective Bargaining Bill, for example, as well a sample teacher contracts and a guide to collective bargaining in public schools.

Master Index in front of RF (reference file) binder.

103.
Documents Collection
KFP31
.P45

Pennsylvania code. 1968- . Harrisburg. Loose-leaf set.

"Title 22 - Education" contains all regulations and other documents pertaining to education filed with the Legislative Reference Bureau. These regulations and other documents (together with the statutes of the General Assembly) make up the "law" in Pennsylvania. These regulations are continuously updated by the Pennsylvania Bulletin (Documents Collection, KFP31 .P452) as well as through loose-leaf service.

Table of contents. Subject and agency index.

104.
Documents Collection
KFP390
.A3

School laws of Pennsylvania. Harrisburg, Pa. Department of Public Instruction, 1971. Loose-leaf.

Coverage includes the following: (1) provisions of the Pennsylvania Constitution (as amended through 1968) pertaining to education, (2) the Public School Code of 1949, as amended, and (3) other laws affecting education enacted through December, 1971.

Continuously updated.

Parts two and three are each preceded by their own table of contents.

Subject index to laws.

105.
LB1771
.W6
Latest in
Reference

Woellner, Elizabeth W. and M. Aurilla Wood. Requirements for certification for elementary schools, secondary schools, junior colleges. 1935- . Chicago, University of Chicago Press. Annual.

Covers certification requirements for teachers, counselors, librarians, and administrators in all states and the District of Columbia.

Recommendations of regional and national accrediting associations are given as well as sources of information regarding teacher applications in the U. S. possessions and territories.

Title varies.

106.
Reference
KF3409
.T4
W6

Wollet, Donald H. and Robert H. Chanin. The law and practice of teacher negotiations. Washington, Bureau of National Affairs, 1970. Loose-leaf.

This service attempts to fulfill the needs in public education and, to a lesser degree, higher education for information regarding collective negotiations. The approach is "how to do it," and the service supplies discussions of the law and issues as well as examples of relevant aspects in behalf of teachers.

Table of cases cited and topical index.

Unfortunately, as of August, 1974, no up-dating has occurred.

Appendix I Sample Search

Let's find material to prepare a report on "educational vouchers" in order to show you a simple example of how to go about finding materials--compiling a bibliography--in educational research.

Caution

One must exercise some judgment when choosing a topic. The length of the report required is a convenient guideline. In this case "educational vouchers" is limited enough at this point in time to produce a 5-10 page report. The topic "financing education," on the other hand, is quite broad and is a topic for a lengthy report. In fact, "educational vouchers" could make up a chapter in a book on financing education!

Overview

1. First of all obtain a summary of what is the current picture in your area. For such an overview The Encyclopedia of Education and its yearbooks (no. 68 and 69) are excellent as are Gage's Handbook (no. 72) and Travers' Second Handbook (no. 80). Use the indexes to these works to locate the maximum number of references. Take note of the bibliographies at the ends of the articles so that you can be led to significant works of historical importance.

There is no entry for the topic in the Encyclopedia of Education index, but in the Encyclopedia's Education Yearbook, 1972-73, under the heading "vouchers" you will find educational vouchers cited in twelve different places including a 12-page article on that very topic with a helpful listing of additional readings at its conclusion. Several references are found in the 1973-74 Yearbook, too.

The indexes to Gage and Travers make no mention of vouchers, but do not despair, you got a good start in Education Yearbook.

Special Bibliographies

2. Now that you have a little idea of what educational vouchers are all about, where can you find the material you need to complete your search? Let's see if we can find a bibliography of sources especially for this project. With the help of Library of Congress Subject Headings (Appendix III) I decided to check under "Education--Economic aspects--Bibliography" in the subject card catalog; a work entitled Economics of Education looks promising. Alas, it turns out disappointing because the works listed under "public and private finance" are very broad; several might be useful as background reading, however. Better luck next try, and do keep trying.

Books

3. How about books on financing education? Again check the card catalog, try "Education--Finance" this time and read titles for a likely prospect--remember from your "overview" that the idea is a relatively new one. One work entitled Reforming School Finance, 1973, looks good. You will have to get the work and check its index or table of contents to see if it deals with vouchers, in particular. Remember, new subject headings are established continually. Lo and behold a check of a supplement to the Subject Headings show "educational vouchers" was made a subject heading in late 1972! A check of the subject card catalog gives us two works in that very area. In your searching you could not rely on this subject heading before late 1972, an important point and the reason why it was not used before in this search.

Appendix I--continued

Articles and Reports

4. The ERIC system (Appendix IV) as shown in their Thesaurus (no. 83) uses "Educational Vouchers" as a subject heading so you can search RIE (no. 63) and CIJE (no. 48) using this term.

In Education Index (no. 51) you are led from "educational vouchers" to their subject heading "education vouchers." Both the ERIC works and Education Index list a goodly number of citations to current writings in this area. Your report is well under way. Appendix II explains locating journal articles in the Libraries.

Government Publications

5. Keep in mind that the U. S. Government is the largest publisher in the world and that HEW and the Office of Education provide fertile ground for researchers. In the Documents Section of the Reference Department is the Monthly Catalog of U. S. Government Publications (a second copy in the General Reference Collection) which indexes those works of interest to educators, among others. Your search cannot be considered complete if you have not investigated this approach to materials.

Problems

6. If you have difficulty with your research, be sure to ask a member of the Reference Department staff for help.

Methodology

7. A most comprehensive work dealing with methodology is Mouly, The Science of Educational Research (Reference LB1028 .M66, 1970) which is helpful for designing sampling techniques, giving an overview of such as historical research or predictive methods. Chapter 5 in Mouly is devoted to "The Library." It can also give you some clues about how to write your report after you have completed your search as will Student's Guide for Writing College Papers (no. 81).

Sources--in brief summary

1. An overview: encyclopedias and handbooks (see Section D).

2. Special bibliographies: the main card catalog under subject (see Appendix III), ERIC system (see Appendix IV), Education Index (see Section C).

3. Books: the main card catalog under subject, special subject bibliographies (see Appendix III and Section A).

4. Articles: indexes, abstracts (see Section C), special subject bibliographies (see Appendix III and Section A).

5. Government publications (U.S.): Monthly Catalog (in Documents and Reference).

Appendix II Periodical Articles

Locating articles in professional journals cannot be accomplished efficiently without the aid of the tools listed in Section C of this guide. Subject approach is the most common one in locating journal articles.

Consulting Education Index (no. 51), CIJE (no. 48), Psychological Abstracts (no. 58) for example, under appropriate subject headings will lead you to a citation which gives essential information for locating relevant articles.

a sample citation

Cohen, Wilbur J.
Policy and politics in education, Sch R 82: 127-9
N'73

This citation from Education Index means that Wilbur J. Cohen wrote an article entitled "Policy and Politics in Education" which appeared in the November, 1973, issue of The School Review (abbreviations listed in the front of Education Index) in volume 82 on pages 127-129.

Now you must go to the Libraries Serial Holdings list which will tell you where you will find The School Review on the shelves.

entry in Serial Holdings	Location	Title	Call Number	Holdings
	(01)	School Review	L11.S55	v1(1893)-to date

Location (01) means Pattee Library stacks as opposed to a branch library. The holdings statement means we have a complete run of The School Review from 1893 to the current issues. After checking location sheets found throughout the library or the directory board in the main card catalog room you will find where L11.S55 is shelved. When you pull volume 82 of The School Review off the shelves, you will find Cohen's articles on the pages indicated in the citation--the November, 1973, issue, of course.

One run through this procedure--ask a librarian to help you--should enable you to find the articles you need for your work.

Appendix III Card Catalog Use

Quite simply, the card catalog tells you what books are in the University Libraries. You can locate books in the Libraries by author, title, or by using a subject approach.

We have what is called a divided catalog here, author and title entries filed separately from the subject entries.

If you are looking for a work by author or by title check the main card catalog in the Author-Title section. The number in the upper left-hand corner (call number) will help you locate the work in the Libraries.

Likely you will be looking for works by subject. In order to do this efficiently you must consult the Library of Congress Subject Headings (big red book across from the Information Desk in the card catalog room) to see what subject headings are used in the subject drawers of the catalog. Educational listings go on for pages and you must carefully check for all possible subject headings that might lead you to items of importance to your work. For example, works can be located under the heading "Education and crime," but you will see in the listings that you should see also (sa) "Education of prisoners" which could also lead you to relevant works.

You must record the call number from the upper left-hand corner of the card. Then check a location sheet or the directory board in the main card catalog room so you know where to go in the Libraries to find the item in question.

Two self-instruction units are available (audio tapes and accompanying booklets) in the card catalog room which are most helpful in understanding the use of the card catalog and subject headings. Ask the person at the Information Desk if you would like to use these self-instruction units.

Appendix IV ERIC System

ERIC (Educational Resources Information Center) represents the operations of eighteen clearinghouses in the United States funded by the National Institute of Education. These clearinghouses screen, process, and make available vast numbers of research reports in all areas of education providing access to conference proceedings, bibliographies, professional papers, and curriculum-related materials as well as providing indexes to journal articles.

ERIC is particularly important to you because of RIE (no. 63), CIJE (no. 48), and Exceptional Child Education Abstracts (no. 52) which are indexes to current material both in journals and in unpublished reports.

RIE (Research in Education) is housed in the Microform Section (E5 Pattee) and the vast majority of the reports indexed (and abstracted) in RIE are available there. Cumulated ERIC indexes and abstracts are available in the General Reference Section (E105 Pattee) for your convenience, also. CIJE (Current Index to Journals in Education) and Exceptional Child Education Abstracts are housed in the General Reference Section and index articles in journals. The Thesaurus of ERIC Descriptors (list of subject headings) must be used with all ERIC searches (no. 83).

The ERIC system currently contains over 110,000 documents and indexed reference to materials. It can be machine searched. Machine searching requires a good search system and a searcher familiar with the file and data base being searched.

The University Libraries is in the beginning stages of making such automated information retrieval possible. On an experimental basis searches of the ERIC files are being done through the Lockheed DIALOG system. Staff members in the General Reference Section and the Microforms Section, in particular, should be able to keep you apprised of the facilities available to machine-search ERIC here at Pattee Library.

Appendix V Classroom Instruction Aids

Following is a listing of selected sources in the Reference Department which contain information about items and ideas for use in classroom instruction.

Association for Supervision and Curriculum Development.
Curriculum materials. Washington. (Z5814 .C9 A8)

Belch, Jean. Contemporary games; a directory and bibliography covering games and play situations or simulations used for instruction and training by schools, colleges, and universities, government, business, and management. Detroit, Gale Research Co., 1973- . (Reference LB1029 .G3 B44)

Educators' Progress Service "free" series.
Educators' grade guide to free teaching aids. Randolph, Wis., Educators' Progress Service. (AG600 .E3 Latest in Reference)

Educators' guide to free films.
(Reference LB1044 .E3)

Educators' guide to free filmstrips.
(Reference LB1043 .9 .E4)

Educators' guide to free guidance materials.
(Reference HF5381 .A1 E3)

Educators' guide to free health, physical education and recreation materials. (Z6121 .E38 Latest in Reference)

Educators' guide to free science materials.
(Reference Q181 .A1 E3)

Educators' guide to free social studies materials.
(Reference AG600 .E315)

Educators' guide to free tapes, scripts, and transcripts.
(Reference LB1044 .2 .E3)

Educators' index to free materials.
(Reference Z5817 .2 .E33)

El-Hi textbooks in print. v.1- , 1927- . New York, Bowker.
(Z5813 .A51 Latest in Reference)

Hendershot, Carl H. Programmed learning and individually paced instruction. 1st - ed.; 19- . Bay City, Michigan.
Loose-leaf. (LB1028 .7 .H4 Latest in Reference)

National Association of Secondary-School Principals.
Student activities in secondary schools; a bibliography.
Reston, Va., 1974. (Z5814 .S89 N38)

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NICEM series

National Information Center for Educational Media. Index to educational audio tapes. 1971- . University Park, Los Angeles, University of Southern California. (LB1043 .N3413 Latest in Reference)

_____. Index to educational records. 1971- . (LB1043 .N3415 Latest in Reference)

_____. Index to educational videotapes. 1971- . (LB1043 .N3417 Latest in Reference)

_____. Index to 8mm motion cartridges. 1969- . (LB1043 .N3418 Latest in Reference)

_____. Index to overhead transparencies. 1969- . (LB1043 .N3414 Latest in Reference)

_____. Index to producers and distributors. 1971- . (LB1043 .N342 Latest in Reference)

_____. Index to 16mm educational films. 19- . (LB1043 .N3423 Latest in Reference)

_____. Index to 35mm educational filmstrips. 1968- . (LB1043 .N3424 Latest in Reference)

_____. NICEM update of nonbook media. v.1- . 1973-74- . (Reference LB1043 .N3426)

In addition, under the author entry "Pennsylvania. State University. Audio-Visual Services." you will find a sizeable number of subject-oriented catalogs listing the films available for use from the Audio-Visual Services located in Willard Building, Campus.

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